



Volume XVIII.

Number 16.

February 16, 1899.

MR. SAPHEAD: "Good morning, Miss Binks. Do you know, I had so much wine last night that it went to my head?"

MISS BINKS: "What a lonely place for it to go, Mr. Saphead."

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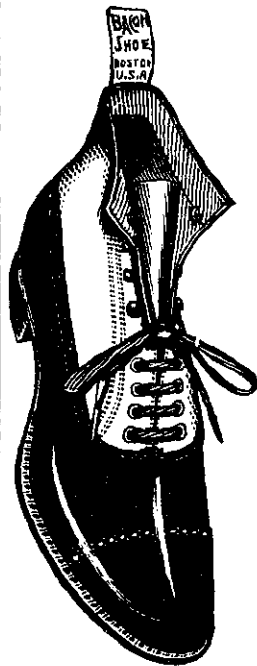
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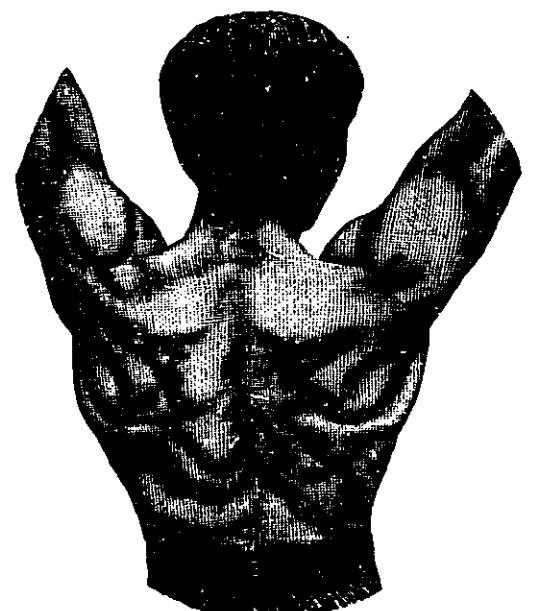
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# THE TECH

VOL. XVIII.

BOSTON, FEBRUARY 16, 1899.

NO. 16

## THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

MORGAN BARNEY, 1900, *Editor in Chief.*

STANLEY G. H. FITCH, 1900, *Assistant Editor in Chief.*

PAUL RAYMOND BROOKS, 1900, *Secretary.*

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Editor in Chief,  
Business Manager,

Saturday, 12-1 P.M.  
Saturday, 12-1 P.M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

Entered in Post Office, Boston, Mass., as Second Class Matter.



THE outlook for the new term is gradually assuming a definiteness contrasting strongly with the general confusion prevailing a few weeks ago. The uncertainty that has seemed to cloud the festivities of Junior Week in April has been largely removed by the prompt action of the Walker Club in substituting, upon the withdrawal of l'Avenir, an English Play in place of the proposed presentation of "Les Plai-deurs." The Junior Class, too, has experi-

enced a material improvement in its finances. This means that 1900 will be able to take a more active part in Junior Week than was before possible.

In the Sophomore Class, the difficulties which culminated in the resignation of one set of officers, and left the Class without a President, a Vice President, or Executive Committee for the last month, seem to be approaching settlement.

It is still too early in the season to make more than passing mention of our prospects in athletics, but judging from the standpoint of previous years, our athletic material is of more than average excellence.



THE liquidation of the Junior Class debt, of which notice will be found in another column, is a matter which concerns the honor of every 1900 man. A small proportion of the class have paid their assessments but the majority have not, and to them belongs the responsibility of preserving the integrity of the class. It is not generally known that a large part of the debt is owed to Captain Bigelow, who advanced money at the time of the drill, and has never been reimbursed. This fact, at least, should appeal to the self-respect of every man who has not paid his assessment. Further than this, the festivities of Junior Week cannot be successfully carried through without financial credit, and credit cannot be expected when a debt of two

years' standing remains unpaid. In the light of these facts we hope that Treasurer Lawrence will receive the hearty support of the class in his efforts to clear the debt.



ON Saturday night the annual indoor games of the Boston Athletic Association will be held in Mechanics' Hall. This meet will be of great interest to Tech. men, as the relay team runs against Dartmouth, and there are a number of other Tech. entries. Through the kindness of Manager Graham, section G, on the floor, has been reserved for Tech. It is hoped that this section will be completely filled with an enthusiastic crowd of Technology men.

Several other colleges and organizations have sections by themselves, and they can be depended upon to do some lusty yelling for their favorites, but we hope that the good old Technology yell will be second to none in its sharpness and strength.



THE reception and luncheon given by the Corporation and Faculty during the recent vacation to superintendents and principals of schools should prove of great material advantage to the Institute in the future.

As President Crafts pointed out in his address, the best engineers or scientists are developed from men having natural ability for scientific or technological work. While, as a rule, the men who come here are fitted more or less by natural ability for scientific work, there are frequent instances of men who, if not complete failures in this direction, show a decided ability for mercantile or literary pursuits.

It is usually in the preparatory school that the student decides upon his future course of study, whether it is to be scientific or general.

By giving the teachers a more definite idea of what our work is and what kind of men we desire, much may be done toward helping students to select a vocation, and ultimately to exert a beneficial influence on the character of the work done here and on the efficiency and ability of the men graduated.

#### A Reception for Superintendents and Principals of Preparatory Schools.

DURING the mid-year recess a reception was given by the Corporation and Faculty to superintendents of schools and principals or masters of high schools and academies sending students to the Institute from points within easy reach of Boston.

Three hundred or more were invited, but owing to the inclement weather in the early morning many were unable to come. Representatives of the Corporation and Faculty received the guests in the Margaret Cheney room, a substantial luncheon was served by Mrs. King in Room 11, Pierce, and formal addresses were made by President Crafts and Professor Chandler in Room 11, Engineering Building, B. The President welcomed the visitors in a pleasant speech, in the course of which he urged them to send to us, as far as possible, men having real aptitude for technological and scientific work. He pointed out the fact that the great demand of the time is for highly skilled, expert service, which can be developed best and most easily from material having natural fitness or aptitude for such work.

Professor Chandler followed with an address, illustrated by stereopticon, on "Some Features in the Architecture of Schoolhouses." Examples were shown of the work of Mr. Edmund Wheelwright, Mr. C. Howard Walker, and Messrs. Peabody and Stearns.

Afterwards the Pierce Building was exhibited, much interest being shown in its construction and facilities for technological instruction.



### The Junior Week Play.

THE preparations for the Walker Club play are well under way. The Play Committee, consisting of Professor Bates, Mr. Draper, and Mr. Davis, has reported unanimously in favor of the Private Secretary. The manager is to be congratulated on securing the assistance of Mr. J. P. Draper, 1900, to look after costumes and properties, and Mr. W. W. Dow, who will have charge of the tickets. Miss Kate Ryan has again been secured to coach the men, and rehearsals will commence next week, Monday, February 20th. All men wishing to try for parts will meet in 44 Rogers at 4 P. M.

The Walker Club has always been generous with any profits resulting from the play. Two years ago the Club gave \$50 toward the Walker memorial, and last year \$40 was expended for a flag for the Walker building. This year the Club has voted to give the proceeds to the Athletic Association.

### The Junior Class Debt.

THE Junior Class debt, incurred at the Intercollegiate Drill in May, 1897, still remains to a large extent unpaid. Last year the Class voted an assessment of \$1.15 *per capita*, which was, however, only partially collected.

The proceeds of the last midwinter concert will aid greatly in clearing the debt, but the payment of the assessment by the entire Class is necessary for a complete liquidation of the indebtedness. Treasurer Lawrence is making a final effort to collect the money before Junior Week, and has appointed the following collectors in the various courses: I., F. D. Chase, C. M. Leonard; II., A. L. Churchman; III., J. H. Batcheller; IV., L. M. Lawrence; V., H. M. Thayer; VI., H. M. McMaster; VII., H. S. Conant; X., S. G. H. Fitch; XI., J. L. Porter; XIII., T. W. Brigham.

### Dinner of the Northwestern Alumni Association of M. I. T.

"Electricity unites us all.  
M. I. T., Rah, Rah, Rah."

*Cablegram from G. R. Mower, '81, London, Eng.*

THIS was the keynote of the Alumni dinner held at the University Club in Chicago, February 3d. Electricity was in the air all around. When a speaker was unfortunate with the telephone a telegram told of his disappointment; but, happily, there were a few such, and the dinner was a pronounced triumph of the ingeniousness of Tech. Alumni. To E. L. Andrews, '94, Division Superintendent of the American Bell Tel. and Tel. Co., is due the credit of arranging the novel telephonic feature of the dinner, and his personal efforts made possible the perfect receiving of the various speeches from a distance.

At seven o'clock a short business meeting was held, at which the following officers were elected for the coming year: President, I. W. Litchfield, '85; Vice President, E. L. Andrews, '94; Secretary, E. M. Hagar, '93; Members of the Executive Committee, C. M. Wilkes, '81, S. Sturges, '87, and L. D. Gardner, '98.

The guests then assembled in the dining hall, where the M. I. T. seal on the wall was pointed to with pride throughout the evening. The dinner was hardly under way when the telephone receivers on the tables were discovered, and from then on came amusement for the diners. At nearly every plate was placed a small receiver, which was connected with a long-distance telephone at the head of the table over which Mr. Andrews presided with praiseworthy wit and effectiveness. As an appetizer Mr. Andrews had the orchestra at the Palm Garden, in Milwaukee, play "A Hot Time," which brought forth great applause from the listeners.

After a splendid dinner, President Q. A. Ferguson introduced President-elect and toastmaster I. W. Litchfield, '85, who, in a few

bright remarks, introduced the first speaker of the evening, Mr. Thomas A. Edison, who was at Menlo Park, N. J.

*Mr. Andrews.*—Hello, Mr. Edison! How do you do?

*Mr. Edison.*—Quite well, I thank you. How are the members of the Northwestern Association of the M. I. T. to-night?

*Mr. Andrews.*—Oh, we are one hundred and thirty strong, and almost any one of us would consider an acceptable opening with you, sir. Are you ready to talk to us?

In his remarks Mr. Edison said that it was due, in great measure, to the efforts put forth in the telephone field by the graduates of the M. I. T., that he was able to-night to talk to gentlemen one thousand miles from his workshop.

Every person in the hall who listened could hear all of Mr. Edison's words as plainly as a telephone message is usually transmitted, and the striking part of the performance was the simultaneous outburst of applause and cheers after Mr. Edison had finished.

Mr. James Munroe's speech at the Technology Club was followed by remarks from President Crafts. President Crafts said:—

*My kind Hosts of the Northwestern Association:—*

Æsop's fable tells us how once upon a time the crane invited the fox to dinner, and put the food in a vessel with a very long and narrow neck, so that the fox could not get a taste of it. It seems to me that you have gone a great many steps farther, inviting us to dinner with a thousand miles of wire between us, and you remaining at the dinner end of the line. Let me suggest that next time you should at least give us a selenium plate, if not a dinner plate, so that we can see you eat by telegraph, and enjoy your company in that way. But it is not necessary to see you to feel sure that you are having a very pleasant time, and I send you my hearty good wishes.

It requires great confidence in your scientific integrity to communicate with you in this way, for I know that at the other end of the line is a receiver, and a proverb says that a receiver is as bad as a thief. A bad receiver might use for his own puposes my happiest ideas, or might feel that, if a speech is wired

like champagne, it may also be corked up when enough has been poured out.

But I will have confidence in you, and, unaccustomed as I am to long-distance speaking, I hope my feeble voice will reach you with a note of appreciation of your strong regard for your Alma Mater, amid the hurry of your very active lives. The love and regard of her sons is the rock upon which the Technology builds. You go ever farther from us, North, and South, and West, and in rapid progress the East cannot hope to match the West; for have you not this evening found a way of hearing what I say an hour before I say it; and yet we, too, are going on in our quiet way,—as Professor Dewey will tell you to-night,—and trying to meet new needs with new measures; and when you come back to visit us, you will find the old Tech. grown higher and broader, and very glad to see its sons at all times.

And now, if the ear at the other end of the line has listened thus far, I will end by saying that the champagne comparison reminds me that Bostonians are said to keep their feelings on ice; but, if this is the case, we have taken them off to-night, and send you the warmest and heartiest greetings.

Mayor Quincy's speech was rather indistinct, but it was taken down over special wire and read to the assembled guests.

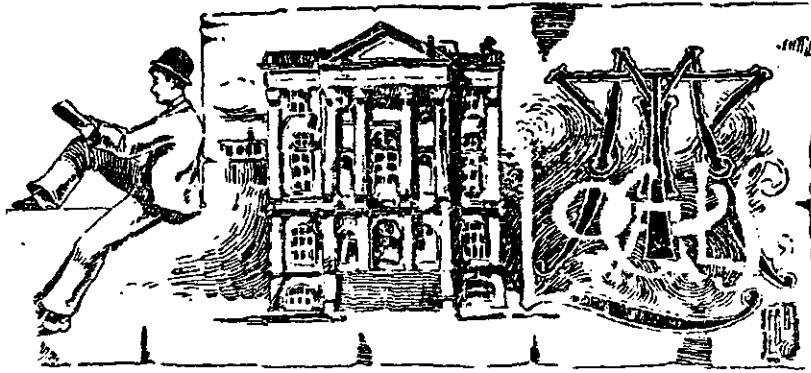
Cheers were interchanged between Boston and Chicago, which could be heard perfectly.

St. Louis was next heard from, and the wires flashed bright remarks back and forth with great rapidity.

Toastmaster Litchfield then introduced Dr. Dewey, who in a short address aroused enthusiasm by depicting the great improvements made during the last year at M. I. T. He urged greater unity in alumni effort, and showed the increasing responsibility resting on all connected with the school. The alumni were requested to give the Walker memorial their careful consideration.

After Dr. Dewey had finished, Mr. S. Insull gave a talk on "The Technical Man in Business."

Mr. B. R. T. Collins, who was ensign on the "Scorpion" during the war, gave a number of stereopticon views of the Institute and of the war, which evoked general enthusiasm.



All societies wishing desk room in the new Committee Room should see President Crafts at once.

Those wishing Junior class pictures should leave their names at the Cage in the "blue book," in charge of Mr. Penny.

R. E. Oppenheim, the 'varsity tackle, has withdrawn from the Institute, and will enter into business with his father in New York City.

Concerts have been arranged for the Glee, Banjo, and Mandolin Clubs at Newton, Y. M. C. A. Course, on February 23d, and at the Colonial Club, Cambridge, on March 18th.

Among the many minor improvements made about the Institute during the past fall, is the rearrangement and enlargement of the fine collection of bridge photographs in the Engineering Building.

The annual meeting of the Y. M. C. A. will be held Friday at 4.10, Room 11, Rogers. Reports of the President and chairmen of committees will be read, and the officers for the coming year elected.

At the meeting of the Sophomore Class tomorrow the nominations of the present executive committee, for President, First Vice President, and two men at large for the executive committee will be acted upon.

In the relay race, Saturday night, against Dartmouth, Tech. will be represented by Hall, McMaster, Shephard, and Garrett,

who will probably run in the order given. Priest, Emery, and Horr, are the substitutes.

The following men have been nominated for officers of the Y. M. C. A.: For President, Arthur A. Reimer, '00; for Vice President, Joseph P. Catlin, '01; for Secretary, Arthur S. More, '02; for Treasurer, Robert S. Blair, '00.

The new course in Architectural Engineering, made necessary by the great advance in the construction of our fireproof sky scrapers, begins this term. The work in this option will consist of lectures and problems on the theory and principles of Applied Mechanics and Structures.

The annual election of officers of THE TECH for the ensuing year was held on January 13th. THE TECH lunch took place the following day at the "Old Elm." As in former years it was as unconventional as it was convivial, and was the occasion of a pleasant reunion of past and present editors of the paper.

The publication of the catalogue for the current year again brings to notice the ever-increasing demands made upon the preparatory schools. The time thus gained by the increased requirements for entrance has been allotted to a course in the Theory of Equations taken by all first-year students, except those in Courses I. and XI., who will study Spherical Trigonometry, heretofore given in the second year.

#### The Technology Club.

THE following entertainments have been arranged: February 20th, on the thirty-fourth anniversary of the opening of the School of Industrial Science, a dinner will be given to Mr. Daniel Chester French, to which the Corporation and Faculty of the Institute will be invited. At nine o'clock there will be after-dinner speaking, to which all club members will be invited. Mr. French, President

Crafts, President Drown of Lehigh University, Mr. C. Howard Walker, and others will speak.

February 24th, progressive whist evening.

March 3d, Gen. Charles H. Taylor will speak on "Modern Journalism."

#### TRANSITION.

Up against the gleaming fender,  
Just a pair of feet, such slender  
Ankles and such bits of shoes,  
All asleep, mayhap a ruse.

Chair capacious close beside her,  
Wait, and maybe she'll confide her  
Dreams and sleepy doubts to me  
While I sit here silently.

Soft a little sleeve comes stealing  
Half a little hand concealing  
Round my chair, the clock's again  
Striking seven, nine, and ten.

Then above the dying ember  
Four feet resting in December,—  
One A.M.—And then in May  
Good, my lords, a wedding day.

—EX.

#### Calendar.

Feb. 17—Meeting Sophomore Class, Huntington Hall, at 1 P. M. Meeting Senior Class, 11 Rogers, 1.30 P. M. Meeting Y. M. C. A., 11 Rogers, 4.10 P. M.

Feb. 18.—Relay Race, M. I. T. vs. Dartmouth in the B. A. A. Open Indoor Meet, Mechanics Building, at 7.30 P. M.

Feb. 20.—Civil Engineering Society, 49 Engineering A.

#### COMMUNICATIONS.

*The Editors do not hold themselves responsible for opinions expressed by correspondents.*

TO THE EDITORS OF THE TECH:—

I would like to call the attention of all students to the fact that there are vacancies to be filled on the Glee Club, in the first and second tenor parts. The spring concert and dance, which will probably take place in April, should alone be an incentive to join the Club. Those wishing to try will please report in Room 33, Rogers, at 1 P. M. on any Monday, Wednesday, or Friday before February 25th.

W. O. ADAMS, *Leader.*



'79. The Class of '79 recently held its annual meeting in the Arena, in New York. The members present were Allen, Haskins, Blake, Jenks, Lane, H. J. Howe, and Large. The officers elected were Allen, President; Spicer, Vice President; Campbell, Secretary; Howe and Waitt, Business Committee. The main business of the meeting was to arrange for an appropriate reunion and celebration this year, the twentieth anniversary of the Class.


'98. Mr. Chester F. Drake, XI., is employed as civil engineer on the estates of Hon. Wm. C. Whitney and Foxhall Keene, in England.

'98. Mr. Fredk. Morris Kendall held the rank of sergeant in Company E, Sixth Massachusetts Volunteers, during the late war, and saw service in Porto Rico.

'99. R. S. Lunt, X., has a position at the Lowell Bleachery Works.

'99. Mr. T. W. Hoxie is Treasurer of the Corporation of the J. F. Brooks Company, general knit goods, situated in Needham, Mass.

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It is very probable that the Freshmen will run a relay race with the Cambridgeport Gym. Athletic Association. A strong Freshman team is available in Horr, Pope, Manley, Pond, and Storer.

Pope, '02, is "mug hunting," and is entered in several High School meets to be held soon. He is also entered in the 10-yard dash and in the pole vault at the Harvard A. A. meet on the 15th of this month.

D. M. Pray ran in the B. A. A. cross-country run on January 28th. He started from the 2 minute 30 second mark, and finished fifth in 46 minutes  $1\frac{1}{5}$  seconds,—actual time for the  $7\frac{1}{2}$  miles, which is good time considering the lack of condition induced by two weeks of examinations. Owing to his poor condition, Pray will not start in the two-mile invitation at the B. A. A. games.

The Relay Team went to Worcester on Friday, and met defeat at the hands of the Holy Cross Team. The men ran a good race, but were greatly bothered by the high-raised corners, which the Worcester runners took with ease. Hall won the toss, but the condition of the track seemed to warrant taking the outside, and Hall led off with Sullivan on the pole. On the first corner the Holy Cross man took the lead, and the race became a procession, with each Holy Cross man increasing the lead as he handed it over to his team mate. Garrett, the last man to start for Tech., ran very fast and picked up 12 or 15 yards on his opponent; but the latter held out, and Holy Cross finished, with about

25 yards to spare, in 3 minutes 40 seconds. The race is not discouraging in the least, as the Worcester men have been training on the track and knew every twist in it.

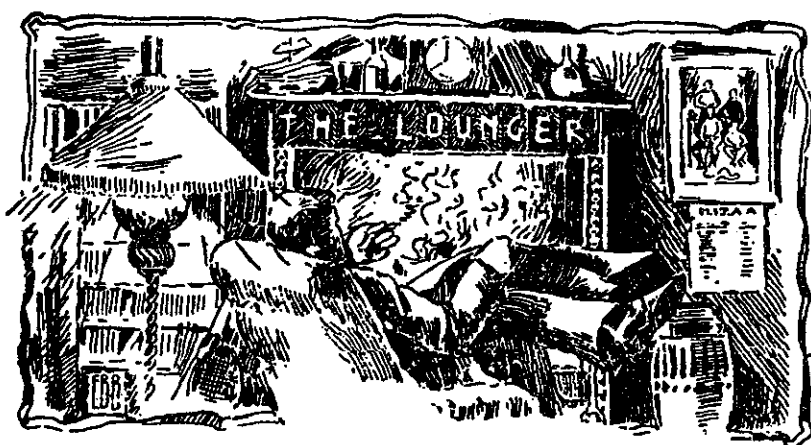
Last Saturday the New England Intercollegiate Athletic Association held its annual meeting. The ten colleges were all represented. The University of Maine was admitted, and Holy Cross was refused admittance to the league. It was decided to hold the annual athletic games at Worcester in May—the exact date to be decided later. The league neglected to make an important change; that is, to hold the bicycle race on a regular bicycle track. For the last three or four years there have been several severe accidents on the Worcester track, owing to the lack of raised curves. The bicycle race is to be held in the morning, but that will not help matters any. R. Murray, 1901, was elected treasurer of the association.

### My Lady's Hat.

Ten yards of ribbon first she buys,  
Of satin, very wide;  
And next two yards of velvet, black,  
And a yard of green beside.  
The plumes from seven ostriches,  
Two pairs of snow-white wings,  
And then a lot of big aigrettes,  
And other feathery things.  
She buys some fancy buckles,  
A great black frame of straw,  
Then knowing she's not bought enough,  
She goes and buys some more.  
She takes these to her milliner,  
Who shortly tells her that  
If she'll but get a few things more  
'Twill make a stunning hat.

FREDERICK H. HUNTER, '02.

Old gentleman (dictating indignant letter):  
"Sir, my stenographer being a lady, cannot take down what I think of you. I, being a gentleman, cannot think it; but you, being neither, can easily guess my thoughts."—*Baltimore Life*.



As the genial summer sun bursts forth with renewed vigor from behind the fleeting clouds of a tempestuous thunder shower, shedding its kindly light once more upon all creation and encouraging the disheartened to be up and doing in the repairing of the damage done by the destructive elements, thus, as the dreary days of the recent examination period betake themselves from us to seek a place in the annals of history, the Lounger returns with cheerful smile to his usual habits of peace and quiet, with a word of good cheer for every unfortunate upon whose head an unappreciative Faculty has seen fit to pour out the vials of their displeasure. To all such the Lounger would say, that he, too, has not escaped entirely unscathed, and that he has even had occasion to marvel greatly at the persistent close connection between the sixth letter of the alphabet and the phenomenon of double vision which is so notably evident on certain official documents of the Institute issued not long since.

Although the Lounger has always been disposed to regard those faithful guardians of the honor and interests of the Institute who are collectively known as the Faculty, as "all, all honorable men," to make use of the time-honored words which the late W. Shakespeare has so effectively placed in the mouth of one M. Antony, nevertheless in rare instances the Lounger is sometimes forced by his high sense of responsibility to the student body as a whole, and the lower classes in particular, to criticise unfavorably the actions of the said body. In which connection the Lounger begs to mention that wonderful, original, and highly successful (?) scheme of broadening and enlightening the youthful intellect, which is popularly known as "summer reading." As the season of the annual vacation approaches, the merry profs., fearing lest for lack of employment the busy student should

lose the habit of working twenty or more hours a day, assign several dozen or so interesting volumes of light reading for his amusement and profit. In the fall an account is required of him, else he will be quickly transferred to the list of sportive specials.

How simple and how beautiful,—the only possible improvement now being additional lists for reading Saturday afternoons and Sundays during the term! To the man with a trained conscience, however, the matter admits of an easy solution, and, alas! the Lounger grieves to think of the bitter temptation thus imposed upon the honesty of the tender Freshman! How easy it is to place a small cross opposite the names of the works in question, and thus obtain a coveted credit! and the Lounger fears the recording angel has, perchance, been greatly overworked. On the whole, however, the enormous increase of expenses for stationery and postage required during the last two years in sending out D's and notices, as well as the great demands upon the time of a certain chemical professor of loud-sounding name, who is now in charge of the subject, furnishes a noble monument to the honesty of Technology men, and to the memory of George Washington and his diminutive hatchet.

An interesting repository for articles of general information of more or less importance, is a certain wicker work receptacle, which usually occupies a prominent position in the Lounger's headquarters, used for the filing of many contributed articles not required for immediate use. Of late the Lounger has noticed that its usually ample capacity has been largely overtaxed, and a careful investigation has developed the fact that many of the recently filed papers related to the late French play. Always active and restless, the members of the organization concerned seem to have directed their entire energies to pen and ink; and, while from the beautiful language, gentle terms, and polite expressions which are there to be found, the Lounger feels called upon to say that the work of the English Department seems to have been wonderfully effective, from the volume of communications daily pouring in, it would appear that in spite of the "general decrease in the interest in the French language here at Technology," which the officers of this "Société du Passé" seem to have discovered, the Institute, as a whole, must have been remarkably interested in the proposed performance.

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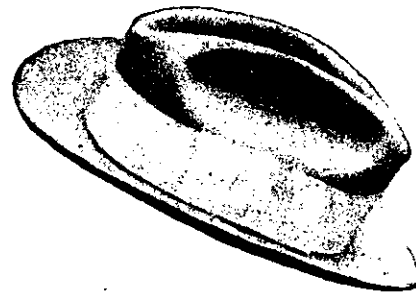
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**Keith's Theatre.** — Vaudeville. W. M. Cressy and Blanche Dayne in a comedy sketch, Rossow Midgets.

**Tremont Theatre.** — Francis Wilson in "The Little Corporal." It is one of the funniest and merriest comedies upon the stage. Matinee on Washington's Birthday.

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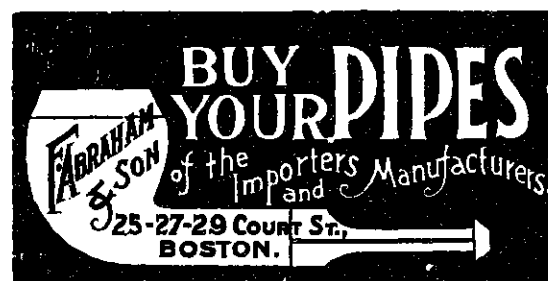
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